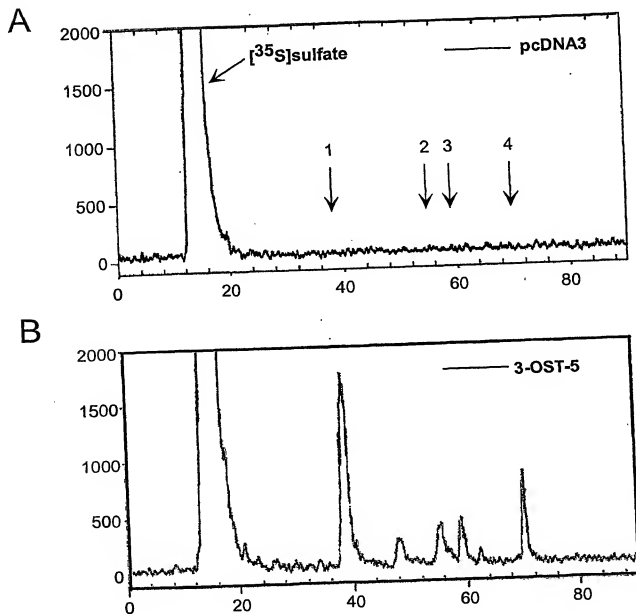


Figure 1

atgctattcaaacagagcgttgctgagacagaagctcctggctgggaaccttgcgtggaggtctcctgtatctagtgcgaca  
 30 M L F K Q Q A W L R Q K L L V L G S L A V G S L L Y L V A R  
 gttggagcttggaatgcacacccattgccctattgaagctgactgggtggagccacactcagctgaatcccaacttcgagcc  
 60 V G S L D R L Q P I C P I E G R L G G A R T Q A E P P L R A  
 ctgcagtttaagcgtggcctgtgcagcaggtccgaagggcaagcttccaagagcaggttcgcctccatgacctggccacagctc  
 90 L Q F K R G L H E F R K G N A S K E Q V R L H D L V Q Q L  
 cccaagccattatcattgggggtgaggaagggccaaagggccctgcttgaatgctgaactacatcggcagtagtccaagctct  
 120 P K A I I I G V R K G G T R A L L E M L N L H P A V V K A S  
 caagaaatccaactttttgataatgatgagaattatggtaaggcattggtggtaggaagatttcaaaaagatgccttttccacctcaagca  
 150 Q E I H F F D N E N Y G K G I E W Y R K K M P F S Y P Q Q  
 I T I E K S P A Y F I T E V P E R I Y K N N S S I K L L I  
 attgtcaggagccaacccaagcgtattctgattatactcaggtgctagagggaaggaggaagacaacaaactttatcacagttt  
 180 I V R E P T T R A I S D Y T Q V L E G K E R K N K T Y Y K F  
 gagaagctggccatagccctaatactgcgaagtgaacacaaatacaacgacgtaagaacaccagcatctacacaaacatctggaaag  
 210 E K L A I D P N T C E V N T K Y K A V R T S I Y T K H L E R  
 tggttgaataactttccaattgagcaatttcatgtcgtcgatggagatcgctctatcaccggaacctctgccgaacttcagctcgtggag  
 240 W L K Y F P I E Q F H V V D G R L I T E P L P E L Q L V E  
 aagttcctaactcgtcccaagatacaagtaataacttcaatgcaccagcaggtttactgctggttgaattatc  
 270 K F L N L P P R I S Q Y N L Y F N A T R G F Y C L R F N I I  
 tttaataagtcctggcgagcaaggggcattcatccagaggtggaccctctgctactcaattggcaaatctttcactct  
 300 F N K C L A G S K G R I H P E V E F S V I T K L R K F F H P  
 tttaatacaaaatttttccagatcatcgtggagacattgaactggcctaa 1041  
 F N Q K F Y Q I T G R T L N W P \* 346

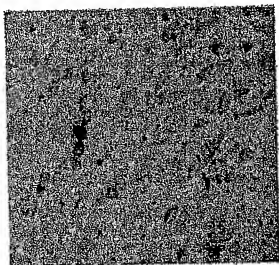


Figure 3



**Figure 4**

**A.**



**B.**

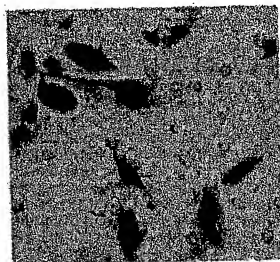


Figure 5

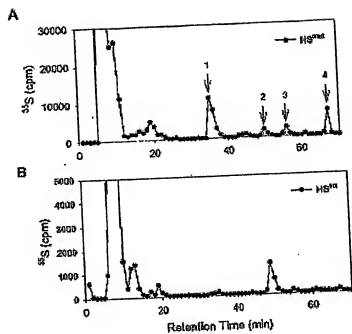


Figure 6

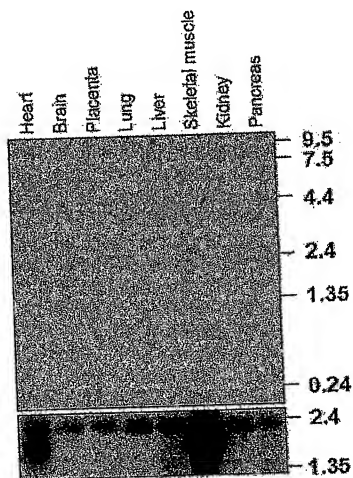


Figure 7

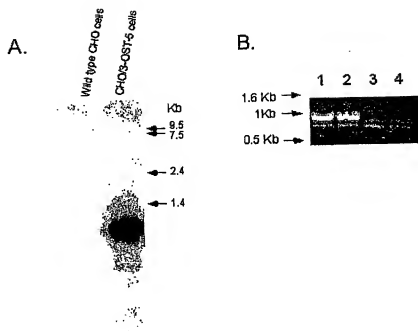


Figure 8

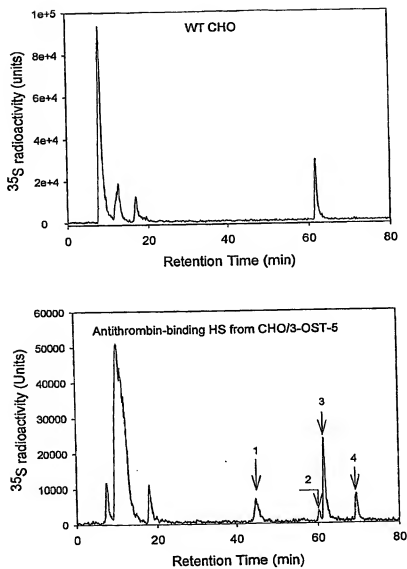




Figure 9

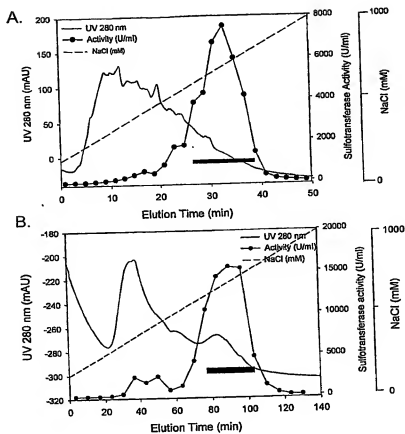


Figure 10A

MW (KDa)

116 —

97 —

84 —

66 —

55 —

45 —

36 —

29 —

24 —

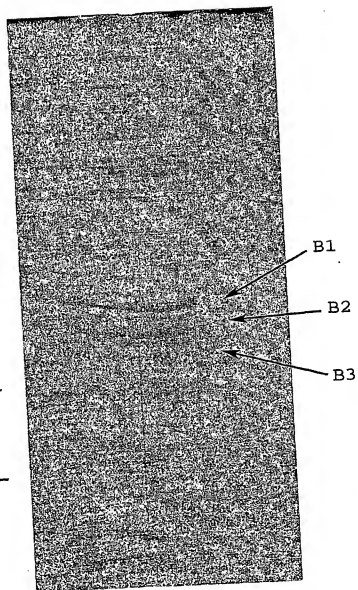


Figure 10B

MKFLVNVALV FMVYISYIY ADRWIPRVGS LDRLQPICP I EGR LGGARTQ AEFPLRALQF  
 ↓ B2 and B3 B2 and B3  
 Honeybee Melittin signal  
KRGILLHEFRK GNASKEQVRL HDLVQQLPKA LIIGVRKGGT RALLEMLNLH PAVVKASQEI  
 B2 and B3 B2 and B3  
HFFDNDENYG KGLEWYRKKM PFSYPQOITI EKSPAYFITE EVPERIYKMN SSIKILLIIVR  
 B3 B2 and B3 B2 and B3  
EPTTTRAI SDY TOVLEGKERK NKTYIKFEKL AIDENTCEVN TKYKAVRTSI YTKHLERWLK  
 B3 B1  
YFPIEQFHV DGDRLITEPL PELQLVEKFL NLPPRISQYN LYFNATRGFY CLRFNIIFNK  
 B2 and B3  
CLAGSKGRIH PEVDPSVITK LRKFFHPFNQ KFYQITGRTL NWP  
 B2 and B3 B2 and B3

Figure 11

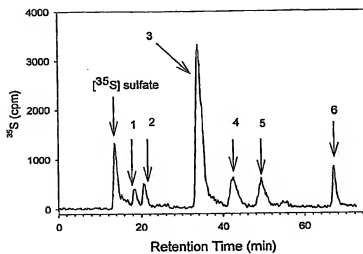


Figure 12

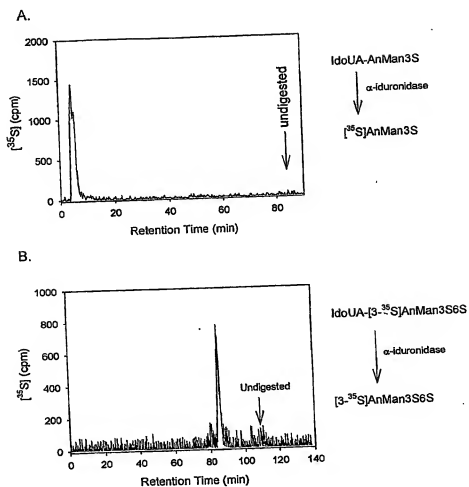


Figure 13

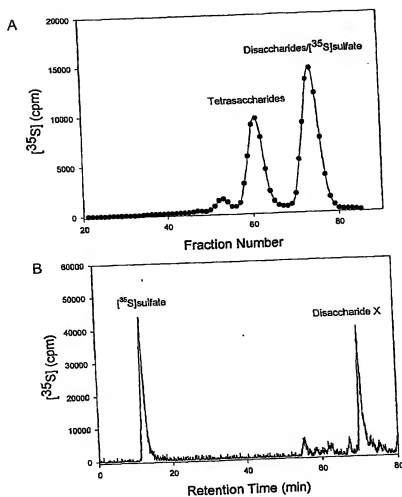
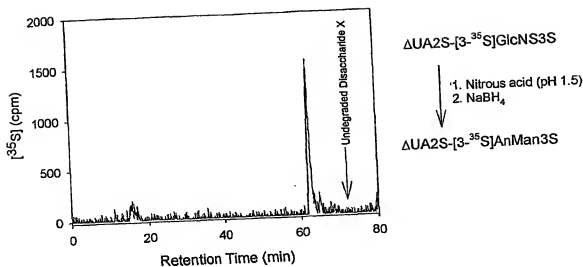


Figure 14

A.



B.

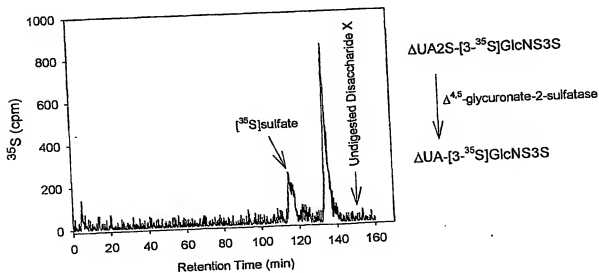


Figure 15

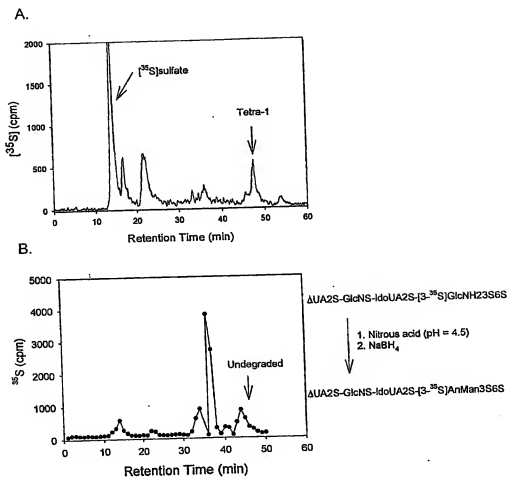




Figure 16

